



# CONSTRUCTION EQUIPMENT

SPM580103 MACK CONC VOLVO L120H 632983 - TRANSMISSION (AUTO)



**Sample No:** VCP417685  
**Oil Type:** VOLVO AT 102  
**Job No:** SPM580103 MACK CONC



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## SAMPLE INFORMATION

Sample Number	<b>VCP417685</b>	VCP422284	VCP421297	VCP399495
Sample Date	<b>13 Jul 2023</b>	18 May 2023	27 Mar 2023	11 Feb 2023
Machine Hours	<b>7592</b>	7018	6455	5940
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Not Chngd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL



## OIL CONDITION

Visc @ 40°C	cSt	<b>27.9</b>	27.5	27.99	27.58
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## CONTAMINATION

Silicon	ppm	<b>9</b>	8	11	8
Sodium	ppm	<b>5</b>	4	3	4
Potassium	ppm	<b>2</b>	2	1	0



## WEAR METALS

Iron	ppm	<b>55</b>	48	48	46
Copper	ppm	<b>9</b>	8	8	6
Lead	ppm	<b>&lt;1</b>	0	0	0
Tin	ppm	<b>&lt;1</b>	<1	0	0
Aluminum	ppm	<b>6</b>	4	4	3
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>&lt;1</b>	<1	<1	<1
Nickel	ppm	<b>0</b>	0	<1	<1
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>6</b>	5	5	5
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>103</b>	79	79	73
Magnesium	ppm	<b>0</b>	0	<1	1
Zinc	ppm	<b>30</b>	17	19	16
Phosphorus	ppm	<b>209</b>	194	219	177
Barium	ppm	<b>0</b>	1	0	3
Boron	ppm	<b>76</b>	60	62	69

## Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.

**Depot:** VOLVO0093  
**Unique No:** 10564020  
**Signed:** Wes Davis  
**Report Date:** 20 Jul 2023



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## VOLVO GRAPHS

